



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENERGY

**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

The following vehicle models are flex fuel vehicles that were bid during the 2020 bidding process. The numbers in the following calculation were obtained from the 2023 data file found at [FuelEconomy.gov](https://www.fueleconomy.gov) (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)

2023 MODEL YEAR VEHICLES						
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)	UNADJUSTED COMBINED MPG (ALT FUEL) – Column AZ	MPG DEDICATED	MPG GASOLINE – column O	CAFE RATING
Ford	F150 4X2 FFV (3.3L)	24.5835	18.229	163.8902	24.584	33.0
Ford	F150 4X4 FFV (5.0L)	22.1866	16.1559	147.9109	22.187	29.8
Ford	F150 4X4 FFV (3.3L)	23.8055	18.2292	158.703	23.805	32.0
Ford	F150 4X2 FFV (5.0L)	23.1709	17.105	154.4724	23.171	31.1
Ford	Transit Connect Cargo Van LWB FFV (2.0L)	30.1562	26.3962	201.0411	30.156	40.5
Ford	Explorer Base 4X4 FFV (3.3L)	23.1709	17.3681	154.4724	23.171	31.1
Chevrolet	Silverado 1500 4X2 FFV	20.6239	15.4679	137.4925	20.624	27.7
Chevrolet	Silverado 1500 4X4 FFV	19.4274	14.2712	129.516	19.427	26.1
2023 MODEL YEAR VEHICLES						
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)				
Chevrolet	Colorado Ext Cab 4X2 (2.5L)	25.8				
Chevrolet	Colorado Ext Cab 4X4	24.2				
Chevrolet	Silverado 1500 Regular Cab 4X2	20.6				
Chevrolet	Silverado 1500 Regular Cab 4X4	19.4				
Chevrolet	Silverado 2500HD Regular Cab 4X2	25.1				
Chevrolet	Silverado 2500HD Regular Cab 4X4	23.9				
Chevrolet	Silverado 3500HD Regular Cab 4X2	20.0				
Chevrolet	Silverado 3500HD Regular Cab 4X4	21.9				
Chevrolet	Express Cargo 2500	15.0				
Chevrolet	Bolt	120.0				
Chevrolet	Bolt EUV	115.0				
Chevrolet	Equinox AWD (1.5L)	30.9				
Chevrolet	Malibu (1.5L)	35.3				
Chevrolet	Express 3500 15 Passenger	15.0				
Chevrolet	Express Passenger LS 2500	25.0				



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Chevrolet	Tahoe	26.1
Chevrolet	Traverse AWD	30.9
Chevrolet	Trax	32.8
Chrysler	Voyager	25.9
Dodge	Charger	26.5
Ford	Transit Connect Cargo Van LWB	30.2
Ford	Transit 150 Cargo Van, Low Roof Regular Wheelbase	29.3
Ford	F150 4X2	24.6
Ford	F150 4X4 (3.3L)	23.8
Ford	F150 4X2 (5.0L)	23.2
Ford	F250 Regular Cab 4X2	23.6
Ford	F250 Regular Cab 4X4	23.6
Ford	F350 Regular Cab 4X2	23.6
Ford	F350 Regular Cab 4X4	23.6
Ford	Ranger 4X4 Super Cab (2.3L)	25.4
Ford	Ranger 4X2 Ext Cab	27.0
Ford	EcoSport S 4X4	34.2
Ford	Escape SE Sport Hybrid	46.4
Ford	Expedition, Regular Length, 4X4	21.3
Ford	Explorer Base AWD	26.1
Ford	Explorer Limited Hybrid 4X4	23.2
Ford	Transit 350 Long Wheelbase DRW	35.7
Ford	Transit 350 Long Wheelbase 12 Pass	35.1
Ford	Transit 350 Long Wheelbase 15 Pass	35.1
Ford	Transit Connect Passenger Wagon XL	29.2
Jeep	Cherokee	28.0
Jeep	Grand Cherokee Laredo 4X4 (3.6L)	25.3

The following vehicle models are flex fuel vehicles that were bid during the 2020 bidding process. The numbers in the following calculation were obtained from the 2022 data file found at [FuelEconomy.gov](https://www.fueleconomy.gov) (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)

2022 MODEL YEAR VEHICLES						
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)	UNADJUSTED COMBINED MPG (ALT FUEL) – Column AZ	MPG DEDICATED	MPG GASOLINE – column O	CAFE RATING
Ford	F150 XL Regular Cab 4X2 FFV (3.3L)	28.8	21.0	192.1	28.8	38.7
Ford	F150 XL Regular Cab 4X4 FFV (3.3L)	27.4	20.0	182.8	27.4	36.8
Ford	F150 XL Regular Cab 4X4 FFV (5.0L)	24.1	17.1	160.3	24.1	32.3



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2010-2023 (2013 NOT PROVIDED)**

Ford	F150 XL Super Cab 4X4 FFV (3.3L)	27.4	20.0	182.8	27.4	36.8
Ford	F150 XL Super Cab 4X4 FFV (5.0L)	24.1	17.1	160.3	24.1	32.3
Ford	F150 Super Cab 4X2 FFV (3.3L)	28.8	21.0	192.1	28.8	38.7
Ford	F150 XL Super Cab 4X2 FFV (5.0L)	24.1	17.8	160.3	24.1	32.3
Ford	Transit Connect Cargo Van LWB FFV (2.0L)	35.5	26.4	236.7	35.5	47.7
Ford	Transit Connect Passenger Wagon XL, LWB FFV (2.0L)	34.9	24.3	233.0	34.9	46.9
Ford	Explorer Base 4X4 FFV (3.3L)	24.4	16.4	162.8	24.4	32.8
Chevrolet	Silverado 1500 Regular Cab 4X2 FFV	21.1	16.0	140.7	21.1	28.3
Chevrolet	Silverado 1500 Double Cab 4X2 FFV	21.1	16.0	140.7	21.1	28.3
Chevrolet	Silverado 1500 Regular Cab 4X4 FFV	14.2	15.3	94.3	14.2	19.0
Chevrolet	Silverado 1500 Double Cab 4X4 FFV	14.2	15.3	94.3	14.2	19.0

2022 MODEL YEAR VEHICLES

MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Chevrolet	Colorado Ext Cab 4X2 (2.5L)	28.3
Chevrolet	Colorado Ext Cab 4X4	26.0
Chevrolet	Silverado 1500 Regular Cab 4X2	23.3
Chevrolet	Silverado 1500 Double Cab 4X2	21.9
Chevrolet	Silverado 1500 Regular Cab 4X4	22.1
Chevrolet	Silverado 2500HD Regular Cab 4X2	25.1
Chevrolet	Silverado 2500HD Regular Cab 4X4	23.9
Chevrolet	Silverado 3500HD Regular Cab 4X2	20.0
Chevrolet	Silverado 3500HD Regular Cab 4X4	21.9
Chevrolet	Express Cargo 2500	15.0
Chevrolet	Bolt	120.0
Chevrolet	Equinox AWD (1.5L)	36.7



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Chevrolet	Malibu (1.5L)	44.5
Chevrolet	Express 3500 15 Passenger	15.0
Chevrolet	Express Passenger LS 2500	25.0
Chevrolet	Tahoe	21.1
Chevrolet	Traverse AWD	26.4
Chevrolet	Trax	32.8
Chrysler	Voyager	29.2
Dodge	Charger	28.0
Ford	Transit Connect Cargo Van LWB	34.9
Ford	Transit 150 Cargo Can, Low Roof Regular Wheelbase	29.2
Ford	F150 XL Regular Cab 4X2	22.0
Ford	F150 XL Regular Cab 4X4 (3.5L)	25.9
Ford	F150 Super Cab 4X2	21.0
Ford	F250 Regular Cab 4X2	23.6
Ford	F250 Regular Cab 4X4	23.6
Ford	F350 Regular Cab 4X2	23.6
Ford	F350 Regular Cab 4X4	23.6
Ford	Ranger 4X4 Super Cab (2.3L)	28.6
Ford	Ranger 4X2 Ext Cab	23.0
Ford	EcoSport S 4X4	34.2
Ford	Escape SE Sport Hybrid	57.0
Ford	Expedition, Regular Length, 4X4	19.0
Ford	Explorer Base 4X4	24.4
Ford	Explorer Base AWD	24.4
Ford	Explorer Limited Hybrid 4X4	32.7
Ford	Transit 350 Long Wheelbase DRW	35.7
Ford	Transit 350 Long Wheelbase 12 Pass	35.1
Ford	Transit 350 Long Wheelbase 15 Pass	35.1
Ford	Transit Connect Passenger Wagon XL	29.2
Jeep	Cherokee	33.0

The following vehicle models are flex fuel vehicles that were bid during the 2020 bidding process. The numbers in the following calculation were obtained from the 2021 data file found at FuelEconomy.gov (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)

2021 MODEL YEAR VEHICLES						
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)	UNADJUSTED COMBINED MPG (ALT FUEL) – Column AZ	MPG DEDICATED	MPG GASOLINE – column O	CAFE RATING
Ford	F150 XL Regular Cab 4X2 FFV (3.3L)	28.8	21.0	192.1	28.8	38.7



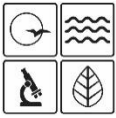
MISSOURI DEPARTMENT OF NATURAL RESOURCES
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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

Ford	F150 XL Regular Cab 4X4 FFV (3.3L)	27.4	20.0	182.8	27.4	36.8
Ford	F150 XL Regular Cab 4X4 FFV (5.0L)	24.1	17.1	160.3	24.1	32.3
Ford	F150 XL Super Cab 4X4 FFV (3.3L)	27.4	20.0	182.8	27.4	36.8
Ford	F150 XL Super Cab 4X4 FFV (5.0L)	24.1	17.1	160.3	24.1	32.3
Ford	F150 Super Cab 4X2 FFV (3.3L)	28.8	21.0	192.1	28.8	38.7
Ford	F150 XL Super Cab 4X2 FFV (5.0L)	24.1	17.8	160.3	24.1	32.3
Ford	Transit Connect Cargo Van LWB FFV (2.0L)	35.7	26.4	237.7	35.7	47.9
Ford	Transit Connect Passenger Wagon XL, LWB FFV (2.0L)	35.1	25.6	234.0	35.1	47.1
Ford	Explorer Base 4X4 FFV (3.3L)	24.4	16.4	162.8	24.4	32.8
Chevrolet	Silverado 1500 Regular Cab 4X2 FFV	21.1	16.0	140.7	21.1	28.3
Chevrolet	Silverado 1500 Double Cab 4X2 FFV	21.1	16.0	140.7	21.1	28.3
Chevrolet	Silverado 1500 Regular Cab 4X4 FFV	14.2	15.3	94.3	14.2	19.0
Chevrolet	Silverado 1500 Double Cab 4X4 FFV	14.2	15.3	94.3	14.2	19.0

2021 MODEL YEAR VEHICLES

MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Chevrolet	Colorado Ext Cab 4X2 (2.5L)	28.3
Chevrolet	Colorado Ext Cab 4X4	26.0
Chevrolet	Silverado 1500 Regular Cab 4X2	23.3
Chevrolet	Silverado 1500 Double Cab 4X2	21.9
Chevrolet	Silverado 1500 Regular Cab 4X4	22.1
Chevrolet	Silverado 2500HD Regular Cab 4X2	25.1
Chevrolet	Silverado 2500HD Regular Cab 4X4	23.9
Chevrolet	Silverado 3500HD Regular Cab 4X2	20.0
Chevrolet	Silverado 3500HD Regular Cab 4X4	21.9

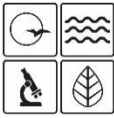


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Chevrolet	Express Cargo 2500	15.0
Chevrolet	Bolt	118.0
Chevrolet	Equinox AWD (1.5L)	39.1
Chevrolet	Malibu (1.5L)	44.5
Chevrolet	Express 3500 15 Passenger	15.0
Chevrolet	Express Passenger LS 2500	25.0
Chevrolet	Tahoe	21.1
Chevrolet	Traverse AWD	26.3
Chevrolet	Trax	27.0
Chrysler	Voyager	29.2
Dodge	Charger	28.0
Ford	Transit Connect Cargo Van LWB	35.1
Ford	Transit 150 Cargo Can, Low Roof Regular Wheelbase	29.2
Ford	F150 XL Regular Cab 4X2	22.0
Ford	F150 XL Regular Cab 4X4 (3.5L)	25.9
Ford	F150 Super Cab 4X2	21.0
Ford	F250 Regular Cab 4X2	23.6
Ford	F250 Regular Cab 4X4	23.6
Ford	F350 Regular Cab 4X2	23.6
Ford	F350 Regular Cab 4X4	23.6
Ford	Ranger 4X4 Super Cab (2.3L)	28.6
Ford	Ranger 4X2 Ext Cab	23.0
Ford	EcoSport S 4X4	34.2
Ford	Escape SE Sport Hybrid	57.0
Ford	Expedition, Regular Length, 4X4	19.0
Ford	Explorer Base 4X4	24.4
Ford	Explorer Base AWD	24.4
Ford	Explorer Limited Hybrid 4X4	32.7
Ford	Transit 350 Long Wheelbase DRW	35.7
Ford	Transit 350 Long Wheelbase 12 Pass	35.1
Ford	Transit 350 Long Wheelbase 15 Pass	35.1
Ford	Transit Connect Passenger Wagon XL	29.2
Jeep	Cherokee	33.0
Jeep	Grand Cherokee Laredo 4X4 (3.6L)	27.1

The following vehicle models are flex fuel vehicles that were bid during the 2020 bidding process. The numbers in the following calculation were obtained from the 2020 data file found at FuelEconomy.gov (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)



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2020 MODEL YEAR VEHICLES						
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ	MPG DEDICATED	MPG GASOLINE – COLUMN O	CAFE RATING
Chevrolet	Bolt (E)	119.9	119.9	-	119.9	-
Ford	F150 XL Regular Cab 4X2 FFV (3.3L)	26.4	20.9	176.2	26.4	35.5
Ford	F150 XL Regular Cab 4X4 FFV (3.3L)	28.5	20.9	190.2	28.5	38.3
Ford	F150 XL Regular Cab 4X4 FFV (5.0L)	22.6	16.7	150.9	22.6	30.4
Ford	F150 XL Super Cab 4X4 FFV (3.3L)	26.4	19.4	176.2	26.4	35.5
Ford	F150 XL Super Cab 4X4 FFV (5.0L)	22.6	16.7	150.9	22.6	30.4
Ford	F150 XL Super Cab 4X2 FFV (3.3L)	28.5	20.9	190.2	28.5	38.3
Ford	F150 XL Super Cab 4X2 FFV (5.0L)	24.7	18.3	164.6	24.7	33.1
Ford	Transit Connect Cargo Van LWB FFV (2.0L)	35.7	26.4	237.9	35.7	47.9
Ford	Transit Connect Passenger Wagon XL, LWB FFV (2.0L)	35.7	26.4	237.9	35.7	47.9
Ford	Explorer Base 4X4 FFV (3.3L)	24.2	16.3	161.4	24.2	32.5

The following vehicle models are regular fuel vehicles that were bid during the 2020 bidding process. The ratings provided below were obtained from the 2020 data file found at FuelEconomy.gov (COLUMN O)

2020 MODEL YEAR VEHICLES		
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Chevrolet	Colorado Ext Cab 4X2 (2.5L)	28.7
Chevrolet	Equinox AWD (1.5L)	38.0
Chevrolet	Malibu (1.5L)	43.1
Dodge	Charger SXT AWD (3.6L)	28.0
Dodge	Durango SXT (3.6L)	27.2
Dodge	Grand Caravan (3.6L)	25.9
Dodge	Ram 1500 Quad Cab 4X2 (3.6L)	28.7
Dodge	Ram 1500 Regular Cab 4X2 (3.6L)	28.7
Dodge	Ram Promaster City	31.5
Ford	EcoSport S 4X4 (2.0L)	34.24
Ford	F150 Regular Cab 4X4 (3.3L)	26.4
Ford	F150 Super Cab 4X4 (3.3L)	26.4
Ford	Ranger 4X4 Super Cab (2.3L)	28.8

The following vehicle models are regular fuel vehicles that were bid during the 2020 bidding process. The ratings provided below were obtained from the 2020 data file found at FuelEconomy.gov (COLUMN O)

2020 MODEL YEAR VEHICLES CONTINUED



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2010-2023 (2013 NOT PROVIDED)

MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Jeep	Compass 4X4 (2.4L)	33.0
Jeep	Grand Cherokee Laredo 4X4 (3.6L)	27.2

YEAR 2020

Calculation methodology for Flex Fuel (FFV) only:
Adjusted MPG City / 0.9 = Unadjusted MPG City
Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY
 $1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$
MPG Dedicated = Unadjusted Combine MPG / 0.15
CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$



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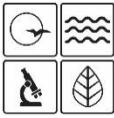
**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

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2019 MODEL YEAR VEHICLES					
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ	MPG DEDICATED	MPG GASOLINE – COLUMN O	CAFE RATING
Chevrolet	Impala, 3.6L	21.0	140.2	28.5	37.4
Chevrolet	Tahoe 4X2	16.9	112.6	22.7	29.8
Chevrolet	Tahoe 4X4	16.5	109.8	22.3	29.3
Dodge	Charger – 8spd	21.8	145.0	29.9	39.2
Dodge	Grand Caravan	18.3	122.2	25.9	34.0
Dodge	Ram 1500 4X2	18.0	119.8	25.6	33.5
Dodge	Ram 1500 4X4	16.9	112.6	24.2	31.7
Ford	F150 Pickup 4X2 FFV (3.3)	20.7	138.3	28.3	37.2
Ford	F150 Pickup 4X2 FFV (5.0)	17.4	116.3	24.9	32.6
Ford	F150 Pickup 4X4 FFV (3.3)	19.4	129.5	26.5	34.8
Ford	F150 Pickup 4X4 FFV (5.0)	17.0	113.6	23.1	30.3
Ford	F150 4X2 FFV Base Payload LT (3.3)	20.7	138.1	28.3	37.1
Ford	F150 4X2 FFV Base Payload LT (5.0)	17.5	116.4	25.0	32.7
Ford	F150 4X4 FFV Base Payload LT (3.3)	19.5	129.8	26.5	34.8
Ford	F150 4X4 FFV Base Payload LT (5.0)	17.0	113.4	23.0	30.2
Ford	F150 5.0L 4X2 FFV GVWR>7599 LBS	17.4	116.3	24.9	32.6
Ford	F150 5.0L 4X4 FFV GVWR>7599 LBS	16.0	106.7	21.7	28.5

The following vehicle models are regular fuel vehicles that were bid during the 2019 bidding process. The ratings provided below were obtained from the 2019 data file found at FuelEconomy.gov (COLUMN O)

2019 MODEL YEAR VEHICLES		
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Dodge	Charger (3.6)	29.9
Dodge	Charger (5.7)	24.7
Dodge	Charger AWD (3.6)	28.0
Dodge	Durango AWD (3.6)	27.2
Dodge	Grand Caravan (3.6)	25.9
Dodge	Ram 1500 Classic 4X2 (3.0)	29.9
Dodge	Ram 1500 Classic 4X2 (5.7)	22.4
Dodge	Ram 1500 Classic 4X4 (3.0)	28.7
Dodge	Ram 1500 Classic 4X4 (5.7)	21.7
Dodge	Ram Promaster City	31.5
Jeep	Cherokee 4X4 (2.4)	23.0
Jeep	Compass 4X4 (2.4)	33.0
Jeep	Grand Cherokee 4X4 (3.6)	27.2
Ford	F150 2.7L 4X2 GVWR>6649 LBS (2.7)	29.3



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2019 MODEL YEAR VEHICLES CONTINUED		
MAKE	MODEL	COMBINED UNADJUSTED FUEL ECONOMY – CONVENTIONAL FUEL (COLUMN O)
Ford	F150 2.7L 4X4 GVWR>6799 LBS (2.7)	27.4
Ford	F150 4X2 Base Payload LT Tire (2.7)	29.4
Ford	F150 4X2 Base Payload LT Tire (3.0)	32.8
Ford	F150 4X2 Base Payload LT Tire (3.5)	27.2
Ford	F150 3.5L 4X2 GVWR>7599 LBS	27.2
Ford	F150 3.5L 4X4 GVWR>7599 LBS	24.2
Ford	F150 4X4 Base Payload LT Tire (2.7)	27.5
Ford	F150 4X4 Base Payload LT Tire (3.0)	29.0
Ford	F150 4X4 Base Payload LT Tire (3.5)	24.3
Ford	F150 Pickup 4X2 (2.7)	29.3
Ford	F150 Pickup 4X2 (3.0)	32.8
Ford	F150 Pickup 4X2 (3.5)	27.2
Ford	F150 Pickup 4X2 Limited (3.5)	25.0
Ford	F150 Pickup 4X4 (2.7)	27.5
Ford	F150 Pickup 4X4 (3.0)	29.0
Ford	F150 Pickup 4X4 (3.5)	24.4
Ford	F150 Pickup 4X4 Limited (3.5)	24.5
Ford	F150 Pickup 4X4 XL/XLT (3.0)	32.2
Ford	Ford Fusion Hybrid FWD (2.0)	62.3
Ford	Ranger 4X4 (2.3)	29.0
Chevrolet	C1500 Tahoe 4X2 (5.3)	22.7
Chevrolet	Colorado 4X2 (2.5)	28.7
Chevrolet	Colorado 4X2 (3.6)	26.3
Chevrolet	Equinox AWD (1.5)	36.6
Chevrolet	Equinox FWD (1.5)	28.0
Chevrolet	Impala (3.6)	28.7
Chevrolet	K 1500 Tahoe 4X4 (5.3)	22.3
Chevrolet	Malibu (1.5)	43.2
GMC	Terrain FWD (2.0)	33.7

YEAR 2019

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

1 / ((0.55 / Unadjusted MPG City) + (0.45 / Unadjusted MPG HWY)) = Unadjusted Combined MPG

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = 1 / ((0.7 / MPG Gasoline) + (0.3 / MPG Dedicated))



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The following vehicle models are flex fuel vehicles that were bid during the 2018 bidding process. The numbers in the following calculation were obtained from the 2018 data file found at FuelEconomy.gov (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)

2018 MODEL YEAR VEHICLES					
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ	MPG DEDICATED	MPG GASOLINE – COLUMN O	CAFE RATING
Chevrolet	Impala, 3.6L	21.0	140.2	28.5	37.4
Chevrolet	Silverado, 4X2	17.9	119.6	25.8	33.8
Chevrolet	Silverado, 4X4	17.0	113.2	24.4	31.9
Chevrolet	Tahoe 4X4	16.9	112.5	23.1	30.3
Dodge	Charger – 8spd	20.4	136.3	28.0	36.8
Dodge	Grand Caravan	18.3	122.2	25.9	34.0
Dodge	Ram 1500 4X2	18.0	119.8	25.6	33.5
Dodge	Ram 1500 4X4	16.9	112.6	24.2	31.7
Dodge	Journey	18.6	123.7	25.3	33.2
Ford	Transit Connect Cargo	21.0	140.0	28.8	37.8
Ford	Transit Connect Wagon	21.0	140.0	28.8	37.8
Ford	Transit 150	14.8	98.4	20.0	26.3
Ford	Taurus FWD	20.6	137.4	29.2	38.2
Ford	F 150 4X2	21.0	140.1	28.7	37.6
Ford	F 150 4X4	19.5	130.0	26.5	34.9
Ford	Explorer	17.6	117.0	23.8	31.3
Jeep	Cherokee 4X4	22.1	147.3	31.1	40.7

The following vehicle models are regular fuel vehicles that were bid during the 2018 bidding process. The ratings provided below were obtained from the 2018 data file found at FuelEconomy.gov (COLUMN O)

2018 MODEL YEAR VEHICLES		
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ
Chevrolet	Cruze	45.8
Chevrolet	Malibu	41.2
Chevrolet	Impala, 2.5L	32.6
Chevrolet	City Express Cargo	34.8
Chevrolet	Equinox	35.3
Chevrolet	Traverse	26.0
Chevrolet	Tahoe 4X4	23.1
Chevrolet	Colorado 4X2	28.7
Chevrolet	Colorado 4X4	27.1
Dodge	Charger	29.9
Dodge	Ram Promaster City	31.5
Dodge	Journey AWD	24.5
Dodge	Durango AWD	27.2
Ford	Focus	41.8
Ford	Fusion Hybrid	62.2
Ford	Taurus	29.2
Ford	Fusion	32.6
Ford	Transit Connect	29.8



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

The following vehicle models are regular fuel vehicles that were bid during the 2018 bidding process. The ratings provided below were obtained from the 2018 data file found at FuelEconomy.gov (COLUMN O)

2018 MODEL YEAR VEHICLES CONTINUED		
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ
Ford	Transit 150 Cargo	20.0
Ford	Escape	32.5
Ford	Edge AWD	29.7
Ford	Flex AWD	24.0
Jeep	Grand Cherokee	27.2
Jeep	Cherokee	31.1
Jeep	Renegade	31.7
Jeep	Compass	33.0

YEAR 2018

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$

The following vehicle models are flex fuel vehicles that were bid during the 2017 bidding process. The numbers in the following calculation were obtained from the 2017 data file found at FuelEconomy.gov (Unadjusted Combined = COLUMN AZ and MPG gasoline = COLUMN O)

2017 MODEL YEAR VEHICLES					
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ	MPG DEDICATED	MPG GASOLINE – COLUMN O	CAFE RATING
Chevrolet	Impala	21.2	141.0	29.0	38.1
Chevrolet	Silverado, 4X2	18.0	119.8	25.9	33.8
Chevrolet	Silverado, 4X4	17.0	113.1	24.4	31.9
Chevrolet	Equinox	21.8	145.3	30.8	40.3
Dodge	Charger – 8spd	20.4	136.3	28.0	36.8
Dodge	Caravan	18.3	122.2	25.9	34.0
Dodge	Ram 1500 4X2	18.0	119.8	25.6	33.5
Dodge	Ram 1500 4X4	17.0	112.6	24.2	31.7
Dodge	Journey	18.6	123.7	25.6	33.2
Ford	Transit Connect Cargo	21.9	145.8	29.8	39.1
Ford	Transit 150	14.4	96.1	20.0	26.2
Ford	Focus	30.9	205.7	41.8	54.9
Ford	Taurus FWD	20.6	137.4	29.2	38.2
Ford	F 150 4X2	19.5	129.8	26.5	34.8
Ford	F 150 4X4	18.3	122.0	24.9	32.7
Ford	Explorer	17.8	118.4	24.1	31.7



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

The following vehicle models are regular fuel vehicles that were bid during the 2017 bidding process. The ratings provided below were obtained from the 2017 data file found at FuelEconomy.gov (COLUMN O)

2017 MODEL YEAR VEHICLES		
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL) – COLUMN AZ
Chevrolet	Cruze	46.2
Chevrolet	Malibu	41.1
Chevrolet	Impala	32.6
Chevrolet	City Express Cargo	34.9
Chevrolet	Express 2500	15.9
Chevrolet	Express 3500	15.7
Chevrolet	Equinox	30.8
Chevrolet	Traverse	22.1
Chevrolet	Colorado 4X2	28.8
Chevrolet	Colorado 4X4	27.3
Chevrolet	Malibu Hybrid	64.5
Dodge	Charger	28.0
Dodge	Promaster City	31.5
Ford	Fusion Hybrid	61.2
Ford	Fusion	32.6
Ford	Transit Connect	29.7
Ford	Transit 150	20.7
Ford	Escape	32.4
Ford	Edge	29.7
Ford	Flex	23.7
Ford	Explorer	24.1
Jeep	Grand Cherokee	27.2
Jeep	Cherokee Sport	30.2
Jeep	Renegade	31.7

YEAR 2017

Calculation methodology for Flex Fuel (FFV) only:

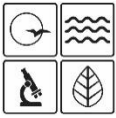
Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

2016 MODEL YEAR VEHICLES		
MAKE	MODEL	CAFE RATING
Chevrolet	Impala FFV	37.1
Chevrolet	Silverado 4X2	33.7
Chevrolet	Silverado 4X4	31.7
Chrysler	200 LX	48.1
Dodge	Grand Caravan FFV	34.0
Dodge	Dart SE	47.7
Dodge	Charger – 8spd	39.2
Dodge	Ram 1500 4X2	33.5
Dodge	Ram 1500 4X4	31.7
Ford	Focus	55.4
Ford	Taurus FWD	38.7
Ford	Pickup 4X2	34.9
Ford	Pickup 4X4	32.7
Ford	E-150 Cargo	24.5
Ford	E-350	22.3

YEAR 2016

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$

2015 MODEL YEAR VEHICLES		
MAKE	MODEL	CAFE RATING
Chevrolet	Impala FFV	37.1
Chevrolet	Malibu, Mid Size	31.4
Chevrolet	Colorado Pickup, 4X2, Extended Cab	29.3
Chevrolet	Colorado Pickup, 4X4, Extended Cab	27.3
Chevrolet	Equinox FFV	41.3
Chrysler	200 FFV, Mid Size	39.6
Dodge	Grand Caravan FFV	34.0
Dodge	Journey 4X4	24.5
Ford	Focus SE FFV, Compact	53.2
Ford	Fusion Hybrid, Mid Size	59.4
Ford	F-150 FFV Pickup 4X2, Regular Cab	34.9
Ford	F-150 FFV Pickup 4X2, Extended Cab	34.9
Ford	F-150 FFV Pickup 4X4, Regular Cab	32.7
Ford	F-150 FFV Pickup 4X4, Extended Cab	32.7
Ford	Transit Connect	29.6
Ford	Transit 150 Cargo FFV	20.4
Ford	Explorer	23.7
Ford	Taurus FFV	38.9
Jeep	Patriot 4X4	30.3
Jeep	Cherokee	30.2

YEAR 2015

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

2014 MODEL YEAR VEHICLES					
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL)	MPG DEDICATED	MPG GASOLINE	CAFE RATING
Chevrolet	Impala	21.3	142.1	28.2	37.1
Chevrolet	Pickup, 4X2	17.9	119.1	24.2	31.8
Chevrolet	Pickup, 4X4	17.3	115.5	23.5	30.8
Dodge	Avenger	21.0	140.1	29.1	38.2
Dodge	Charger, 8 spd	21.8	145.0	29.9	39.2
Dodge	Caravan	18.3	122.2	25.9	34.0
Ford	Focus	30.2	201.0	40.6	53.4
Ford	Taurus, FWD	20.9	139.5	29.6	38.8
Ford	Pickup 4X2	16.3	108.8	22.1	29.1
Ford	Pickup 4X4	14.9	99.6	20.3	26.7
Ford	E-150 Cargo	13.7	91.3	18.7	24.5
Ford	E-350	12.9	86.0	17.0	22.3

YEAR 2014

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFE RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$

2012 MODEL YEAR VEHICLES					
MAKE	MODEL	UNADJUSTED COMBINED MPG (ALT FUEL)	MPG DEDICATED	MPG GASOLINE	CAFE RATING
Chevrolet	Impala	21.3	142.1	28.2	37.1
Chevrolet	Malibu	23.1	154.0	34.5	44.4
Chevrolet	Pickup, 4X2	15.2	101.0	20.3	26.6
Chevrolet	Pickup, 4X4	14.3	95.0	19.0	25.0
Chevrolet	2500 Van	9.1	60.6	12.5	16.4
Dodge	Avenger	21.0	140.1	29.1	38.2
Dodge	Charger	21.8	145.0	30.0	39.3
Dodge	Caravan	18.3	122.2	25.9	34.0
Dodge	Pickup 4X2	13.8	91.9	20.7	27.0
Dodge	Pickup 4X4	13.8	91.9	20.3	26.5
Ford	Fusion	21.3	141.9	29.8	39.0
Ford	Pickup 4X2	16.4	109.5	22.1	29.1
Ford	Pickup 4X4	15.1	100.9	20.6	27.1
Ford	E Series Van	10.6	70.6	14.5	19.0

YEAR 2012

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFÉ RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

2011 MODEL YEAR VEHICLES					
MAKE	MODEL (FLEX FUEL VEHICLE – FFV)	CITY MPG	HIGHWAY MPG	CAFE	FLEX FUEL ADJUSTED CAFE
Chevrolet	Impala FFV	14	22		38.9
Chevrolet	Colorado, 4X2, Standard/Extended Cab	17	23	24.88	
Chevrolet	Colorado, 4X4, Standard/Extended Cab	17	23	24.52	
Chevrolet	HHR FFV	22	30		42.59
Dodge	Dakota Extended Cab, 8 cyl. FFV	9	13		25.74
Dodge	Grand Caravan, FFV	17	24		33.53
Ford	Focus SE	25	34	37.6	
Ford	Fusion, FFV	13	19		39
Ford	Fusion Hybrid	41	36	54.2	
Ford	Escape Hybrid, 4X4	30	27	39.04	
Ford	Escape XLT, 4X4, FFV	19	25		34.14
Ford	Explorer XLT, 4X4	17	25	24.43	
Ford	F-150, 4X2, Regular/Extended Cab, FFV	15	21		29.17
Ford	F-150, 4X4, Regular/Extended Cab, FFV	14	19		26.74
Jeep	Compass 4X4	21	24	29.15	

YEAR 2011

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City

Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY

$1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$

MPG Dedicated = Unadjusted Combine MPG / 0.15

CAFÉ RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$

2010 MODEL YEAR VEHICLES					
MAKE	MODEL (FLEX FUEL VEHICLE – FFV)	CITY MPG	HIGHWAY MPG	CAFE	FLEX FUEL ADJUSTED CAFE
Chevrolet	Impala FFV	18	29		38.25
Chevrolet	Colorado, 4X2, Standard/Extended Cab	17	23	24.84	
Chevrolet	Colorado, 4X4, Standard/Extended Cab	17	23	24.58	
Chevrolet	Silverado, 4X2, Regular/Extended Cab, V-8 Engine, FFV	14	19		27.18
Chevrolet	Silverado, 4X4, Regular/Extended Cab, FFV	13	18		25.56
Chevrolet	HHR FFV	22	30		43.64
Dodge	Avenger, FFV	19	27		38.93
Dodge	Dakota Extended Cab, 8 cyl. FFV	14	19		26.57
Dodge	Grand Caravan, FFV	17	24		33.53
Ford	Escape Hybrid, 4X4	34	31	44.14	
Ford	Escape XLT, 4X4, FFV	19	25		37.44
Ford	Explorer XLT	13	19	19.64	



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**CAFE RATINGS FOR VEHICLES
2010-2023 (2013 NOT PROVIDED)**

2010 MODEL YEAR VEHICLES CONTINUED					
MAKE	MODEL (FLEX FUEL VEHICLE – FFV)	CITY MPG	HIGHWAY MPG	CAFE	FLEX FUEL ADJUSTED CAFE
Ford	Focus SE	24	34	36.89	
Ford	Fusion Hybrid	41	36	54.18	
Ford	F-150, 4X2, Regular/Extended Cab	15	19	21.22	
Ford	F-150, 4X4, Regular/Extended Cab	14	18	20.20	
Jeep (2009)	Compass 4X4	21	24	29.15	

YEAR 2010

Calculation methodology for Flex Fuel (FFV) only:

Adjusted MPG City / 0.9 = Unadjusted MPG City
Adjusted MPG HWY / 0.78 = Unadjusted MPG HWY
 $1 / ((0.55 / \text{Unadjusted MPG City}) + (0.45 / \text{Unadjusted MPG HWY})) = \text{Unadjusted Combined MPG}$
MPG Dedicated = Unadjusted Combine MPG / 0.15
CAFÉ RATING = $1 / ((0.7 / \text{MPG Gasoline}) + (0.3 / \text{MPG Dedicated}))$